GAM RNA SEQUENCE VALIDA	TION METHOD	SIGNAL	BACKGROUND Z	SCORE MISMATO	CH Z
SCORE GAM RNA SEQ-ID					
ACTCACTGCAACCTCCACCTCC S	equenced			323	
ACTGCACTCCAGCCTGGGCTAC	Sequenced			13	
AATCACTTGAACCCAAGAAGTG S	equenced			5	
AATCGCTTGAACCCAGGAAGTG S	Sequenced			6	
TTCAAGTGTTTAAGTTCTGCTT Se	quenced		3	05	
AGGCAGAGAGGACCAGAGACT S	Sequenced			331	
CACTGCACTCCAGCCCGAGCAA S	Sequenced			46	
CCCGGGTGGAGCCTGGGCTGTG	Sequenced			361	
GGGCGTGGAGCTGGAATGATGT	Sequenced			125	
TGATAGATCCATATTTTGGTAA Se	equenced		2	279	
AGCAAGACCAGGGTTTTGTGTT S	equenced			326	
TCACTGCAACCTCCACCTCCCA S	equenced			198	
ATTGTTGCCCATGTTTTTATTT Sec	quenced		4	0	
	Sequenced			383	
	Sequenced			25	
	Sequenced			38	
	enced		338		
	equenced			22	
	Sequenced			197	
	Sequenced			134	
	equenced			262	
	equenced			229	
	equenced			377	
	equenced			263	
	equenced			124	
	Sequenced			298	
	equenced			116	
	equenced			201	
	equenced		:	306	
	Sequenced			27	
	Sequenced			196	
	equenced			272	
	equenced			95	
	Sequenced			74	
AATTGCTTGAACCCAGGAAGTGGA	•			8	
	Chip strong, Seque	nced 31393	19.150194		45
	Chip strong, Seque				199
	chip strong, Seque				200
	Chip strong			52978 36	-00
	Chip strong			.399603 204	
	strong 829		89093 5.6611		
·	-		022524 4.8629		
•	_			062302 251	
	Chip strong				
				319176 75	
				369699 283	
-	strong 779		71323 17.396		
	Chip strong			271864 162	
CACTTCCCTTCTCTGCTCATGG C	hip strong	7886.5 8	.1030474 7.74	115953 347	

TGCTGGCTATCCTGCGCCTTTC Chip strong	7903	10.469044	13.746831	225
GGCTGCTGGTTTCTTGTTTTAG Chip strong	7926	12.94939	11.212504	176
CTTCCTGCCTCTCGCCGCCCGC Chip strong	7982	10.846725	2.7860351	89
CTGCTCTGGTTTCCTCTGTC Chip strong	7506.5	7.7015729	15.622507	86
GCCTCCAGGTCGGTCTTTCTCT Chip strong	7529	13.077046	6.7496343	104
CCCTCTTGGCTTCTATCCCACC Chip strong	7596	7.1978688	6.3785648	363
CAGCTGGTGCTTGCCTGGCTAA Chip strong	7373	13.676201	7.9258513	351
TCTCCCAGATCCTTTAGCCTCC Chip strong	7384.5	14.663905	2.166656	274
TTTCTTGGGCCGTGTGCTGGT Chip strong	7386	8.0159159	10.662634	248
ATCACTTTGAGTCCAGGAGTTT Chip strong	7335	6.5335536	19.718058	32
GAGCCGCCTCCACGATGTCCC Chip strong	7252	8.6663809	14.735928	142
CCTCACTCAGGTTTGGACCCTG Chip strong	7301	15.895414	5.3846102	61
GGGTTACTCTGTGTTGGTCAGG Chip strong	7310	8.6937799	12.815997	129
TGCTCTGATTTTTGCCCCAGC Chip strong	7060.5	10.413313	7.7476549	291
GCTGTTTTCCCATAGCTGGTCA Chip strong	7061	19.803032	6.222959	164
GCTAGGCTGCCACTGAGG Chip strong	6972.5		19.686853	159
TGCTTGCTGTGGTTGGCTGGTA Chip strong	6974	21.75724	11.332961	296
TCAGCCTCCTCCACCCCAGAGT Chip strong	6996.5	14.03341	7.0927162	264
GGGGAACGCGCTGGCCCGCGCC Chip strong	7005	6.2445078	11.806351	127
CTCTGTGATATGGTTTGTAATA Chip strong	6862	19.265455	13.692534	84
CATTCTGTGAGCTGCTGGCTTT Chip strong	6884	11.220102	9.6062307	52
CTCGACTTCCCTGGCTTGCGTGA Chip strong	6890	6.5380254	11.584653	78
GGCGGCCAGGCGCTTGGAGAT Chip strong	6899.5		10.434432	172
TGCCGCCGGCCATCTCGGCTC Chip strong	6915.5	13.391404	5.9536037	220
TCTCTATGCCATGCTGGCCT Chip strong				217
·	6695	12.723179	6.4453721	319
·	6477.5	13.662484	9.3280506	139
	6358.5	9.1175785	9.3260306 8.5895061	139
				-
	6588	11.002058	9.0820408	349
CAGTTTGTCCCCATGGCCATGT Chip strong	6591.5	13.401958	5.2375259	354
TGGAGCTGGGTCTGGGGCA Chip strong	6426			297
CCTGGTCGGCGTGGTGACGGCG Chip strong	6434.5		6.2762375	369
TCCTACGGTGGCCACAGTCTGG Chip strong	6256	7.9984035	3.2358623	210
CGTTCACTCCCTTGCCCCTCGG Chip strong	6280.5	7.0008011	9.7373304	73
TGTCTGGCTTTCTTCAGTTAGC Chip strong	6191	9.9906111	15.989508	236
TGCTGCACCCTCTGCCTCCGGG Chip strong	6094.5	6.9428978	10.588869	293
GCAGCATCCCGGCCTCCACTGT Chip strong	5995	7.2606683	11.881517	147
TGTGGTAGTCACGGCCCGCCAC Chip strong	5909.5	23.027369	15.816967	304
CTTGCCTGCCTGTGTCATAAA Chip strong	5903.5	13.361271	3.0393276	91
TTCACTGCTCTAGCCCTAATTT Chip strong	5739	15.599205	7.8376389	240
TCCATTGGCCTTTTATCCTAGA Chip strong	5760	15.329782	8.1126537	209
TGCCTAGCCAAGTCCAGTATTT Chip strong	5823	17.976177	16.478537	221
TTCTGGCTTCTCCCAGGCGGCC Chip strong	5582	8.2352791	10.879703	243
ATGGCCCTCTTATCACAGCTCC Chip strong	5586.5	21.480997	6.3762493	342
ACTGCACTCCATCCAGCCTGGC Chip strong	5668	7.6480083	10.938603	324
TGCCTGCCCAGCTGAGATATC Chip strong	5686	10.380668	15.221783	287
GCTCGCTGGGGTCTGCAGGCGG Chip strong				
00400700700400704040000	5502	7.7859778	10.874097	111
GCAGCTCCTGGAGGTGAGAGGCG Chip strong	5368	7.8018293	15.956004	100
CTCATTGTAGCCTCCAGTTCTTG Chip strong	5368 5375	7.8018293 10.634505	15.956004 9.6296253	100 379
	5368	7.8018293	15.956004	100

GCTGCACTTCAGCCTGGGTGTC Chip strong	5310	7.5533419	15.940791	113
GCCCTTTGTGTCTGGCTGGGGT Chip strong	5320	11.978069	10.261797	152
TTCTCTGTGCTGGGTCCTGAGG Chip strong	5272.5	8.1261625	9.2259359	242
AGATTTCCCTTCCTGCTTGCCT Chip strong	5251	6.0291886	13.065763	17
TGCGTTCCAGTTGCTGCCAGGC Chip strong	5079	11.194171	5.7294831	290
CTGGCTAAGATCCAAGAAAGGC Chip strong	5036	14.178236	6.6532001	385
TCATTGCAACCTCCTCCTGGGT Chip strong	5039.5	18.95397	9.7537737	207
TTGACATGCCTCCTACATGATC Chip strong	5065	12.953059	10.809283	307
CCTGCTCTCTTTTAAGCTT Chip strong	5021	9.0648565	7.4354005	64
TGCACCACTGCACCCCAGTCTG Chip strong	5009	7.3463378	16.848854	281
TGCTGCCCTAAGACCACCTT Chip strong	4950	11.124713	13.249466	294
GGGAGTTGTGGTTGGCTTCTGG Chip strong	4978	8.3206406	9.2158394	179
GGCCGTGGTCGCTGACTCTCGT Chip strong	4980	6.9448657	12.094063	120
TAGGTATGGCTTGTGGCACAGC Chip strong	4840	23.281979	15.36544	261
GCGCCGCCATCCGCATCCTCGT Chip strong	4801	16.34218	9.281786	107
CTGGTGTTGGGTCTTGCTTTTA Chip strong	4756	6.5764294	8.8639517	138
ATGGGCCTCCTATTATCCCCAT Chip strong	4745.5	13.363207	5.1394033	34
CGCCCAGGCTGGAGTGCCAGTG Chip strong	4722	9.6376123	13.758563	69
CGACCTTGTGATCCTCCCGCCT Chip strong	4594	7.4134154	4.4487605	370
CTCAGTGCAACCTCCGCCTACT Chip strong	4516	8.8905106	13.512998	76
GGCTCTGGCTTTGGAGGAGCAG Chip strong	4483.5	6.8781896	14.473881	174
GGGCTTTTGGAATGGTCTGT Chip strong	4463	9.6709318	2.0551727	126
AGTCGCTGGACCATCAGAGCCT Chip strong	4419	12.240126	13.100382	335
GGTGGTGGAGCGGGCCCAGGCC Chip strong	4320.	5 7.4591732	12.32882	5 185
TCCAGCTGTCCACGTCTTCCTG Chip strong	4070	6.5770264	7.9605851	265
ATGGTACTCCAGCCTGGGTGAC Chip strong	4173	7.3957338	16.409479	35
ATTCTGTGCTAACTGCAGGCCA Chip strong	4140	19.305922	11.530575	343
GACCTCGTGATCCGCCTGCTTT Chip strong	4080.5	7.6009617	13.947659	97
TGGTGCAGCGTGTGGTGGCTCT Chip strong	4082.5	9.6208868	12.887189	302
TGGTCGGGCTGCATCTTCCGGC Chip strong	4093	8.0100813	2.1106353	230
CACTGCAGCCTCCATCTCTGGG Chip strong	4050	6.9180322	10.574921	47
ATGGTGCTGGTGGGAGTGTATT Chip strong	4053	18.971554	14.625937	37
TGCCTGCCGTTAAATGTTACTT Chip strong	3936	12.749383	11.509386	222
GACCTTGTGATCCGCCCACTTT Chip strong	3834	7.5950313	9.0545225	141
CAACTCACTGCGGCCTCAACCT Chip strong	3783	9.680912	5.8278494	41
CTGGAGGAGCTGCCATG Chip strong	3669 1	2.842446 1	4.933422 3	884
TAGCTCCTCCCAGATCTCATCT Chip strong	3659	10.385338	3.9473054	192
TTGGGGGAGGCCTGCTGCCCAT Chip strong	3549	9.3567915	8.3044834	310
GTTGGTCTTCATTAAATGCTTT Chip strong	3499.5	17.153486	5.8892236	255
GGTGGCTATGGCTGTGCTCGC Chip strong	3426.5	15.917648	2.9563422	132
GATGTCGTGATCCACCCGCCTT Chip strong	3425	7.313684	10.200798	145
AGTGGCGTGATCTCGGCTCGGT Chip strong	3395	8.8775339	14.742507	336
GTGCTTAAAGAATGGCTGTCCG Chip strong	3362	26.398634	13.195816	252
TCACTGCAAGCTCCACCCTCCG Chip strong	3370	12.960393	9.7885542	202
CGGCACTGTAGTCTGGCTGGGA Chip strong	3297	6.7212648	9.1534166	374
CTGGCTAGATGTGTGGCCATGA Chip strong	3221	21.032122	14.058989	137
AACCTTGTGATCCACCCACCTT Chip strong	3034	7.7903786	12.639959	313
AGCTGGCTTACTTGAGATGCAT Chip strong	3049	8.8567095	7.4132333	329
GGGGCTTCTAGGGTGCCAGATC Chip strong	3012.5	13.356146	7.901947	181
GGCCCAGGTTGGAGTGCAGTGA Chip strong	2994	8.0930119	10.374014	168

GGCCCAGTGCAAGCTCTTTCTG Chip strong	2960	7.6298795	6.4523926	118
GCCCTTGAAGCTCTGACCCGCT Chip strong	2947	7.6962008	2.815666	151
GCTGGCTCCACCTGCTGCCAGG Chip strong	2916	6.3332305	13.052609	115
CCACTGAGGTAGCTGGTGACTG Chip strong	2861	16.719574	7.8953633	54
CCTCCGGTCATTGTGCGGGCCT Chip strong	2835	12.644177	5.132216	366
AGGATCTTGCTATGTTGGCCAG Chip strong	2784	10.949057	7.9714575	330
TGGTGCTAGTTAAATCTTCAGG Chip strong	2715	17.999035	10.341267	232
GCACTGCTGCCTCCTGG Chip strong			114557 99	
TTATAATGTATAGCTGTGCCTG Chip strong	2566.5	15.056374	8.2182913	238
TGCTTCTAGGGAGGCCGCAGGA Chip strong	2554	12.58359	11.930317	295
TAGAACTATGGCTATGTGCCA Chip strong	2523.5	18.843672	7.4688845	259
GACCCATCCTCCACTTGGCAGC Chip strong	2498	6.505065	6.8388047	96
GCCTAGTGGATTTGAAGGGCC Chip strong	2352	20.613605	8.8114462	153
TGCCCACTGCTGGCCACCACCC Chip strong	32112	15.630626	16.785101	219
GGCTGGCCCCATCCAGGCTGGCA Chip strong	65518	10.117671	10.864906	121
ACAAAGCGCTTCTCTTTAGAGT Chip strong	65518	11.238881	26.766436	9
GGGGCTGGTCTTTCCACTTACT Chip strong	65518	11.24554	19.391401	180
GGAGGCTGGCCTTCAGACGGGT Chip strong	65518	12.034198	25.266558	166
ACGCGCTGGGCGCTGGCCAAT Chip strong	65518	13.337035	9.5484018	12
ACAAAGTGCCTCCTTTTAGAGT Chip strong	65518	13.412503	32.421429	10
CGCCTGGCCCCAGTACTTTGT Chip strong	65518	14.386203	22.674049	373
GCCTGGCCTAAATTAGTAATTT Chip strong	65518	14.47023	33.939186	155
CCCTCTGGCCCCTGTGGTGGAT Chip strong	65518	14.648276	19.804953	362
CTGCCTGCCTGGCCCAGGAACC Chip strong	65518	14.752467	36.164337	381
CGCCCGCTGCCCTGCGATCTC Chip strong	65518	15.196337	33.776985	70
AGGACCTGTCCCCTGGCCCACT Chip strong	65518	15.796532	15.770715	24
CAGCAGCACACTGTGGTTTGTA Chip strong	65518	16.623587	30.172779	348
CCGCCTGGCCCATTGCAGGGCA Chip strong	65518	19.692606	29.045151	365
CACTGCACTCCAGCTCTGGGT Chip strong	65518	20.15584	31.571056	345
ACAAAGTGCCTCCCTTTAGAGT Chip strong	65518	22.461653	34.028076	316
CCCCACTGTCCCCGGAGCTGGC Chip strong	65518	22.799175	24.102064	358
GGCGCTGGCCTGTGGGATCCCG Chip strong	65518	24.841112	31.449797	171
GCGGCGGCGTAGCAAAAATGA Chip strong	65518	27.5298	22.089998	109
AGGGTTGTGCTGGCCGCTGG Chip strong	65518	29.01285	32.102142	28
GGTGGCCCCTGGGAGATGCTGG Chip strong	65518	31.295538	14.111359	131
CACTGCACTCCAGCCTGGGCAA Chip strong	65518	36.446095	33.140068	12852
TGTGCTGGCCTTTGGTGACTTC Chip strong	65518	44.612064	26.016636	237
CATGCTGGCCCACACCCGCTGC Chip strong	57891	37.069935	17.358248	50
GGCTTCCTGCCTCGGGCTGGCC Chip strong	58372	13.006404	4.4936109	177
GCCTGGCCTAATTCCAGCATTT Chip strong	62842.5	16.076189	31.293688	156
GAAGGGGAAGAGAGCTGGCCG Chip strong	63993	20.677708	18.040138	94
CCCGGCACCTCCGCTGCACAC Chip strong	50589.5	17.716768	10.848449	360
ATGCCACTGCGCTCCAGCCTGA Chip strong	50941.5	15.106459	30.447573	341
CCCCACTGTTTTCTTCATCCTA Chip strong	50957	32.576454	4.8442335	359
CTTGGAGTAGGTCATTGGGTGG Chip strong	51071	16.39068	33.942337	92
AGGTGCTGGGGCTTGGCCTGCT Chip strong	54992	14.781937	19.839622	333
TGCCCGGATACCCCTGGCCTC Chip strong	46111	13.316625	10.030684	285
ATTGCACTCCAGCCTGAGCAAA Chip strong	46579	22.505102	33.557095	39
TCTCTTCGCTGGCCCTCGGGGA Chip strong	47791.5	15.379544	20.008915	276
CCGTCCCGGTGCTGCCTGCGC Chip strong	48514	9.4747534	7.9190497	60
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TGCTAGCTGCCCGAAGGTCTCA Chip strong	39989	47.058292	15.67876	223
CCTGGCCGCTGTGCCCCCT Chip strong		11.873036	10.703612	65
ACACTTTGCCCCTGGCCGCCTT Chip strong	42189	12.009233	22.436626	317
TGACCTCCTTTCTCGACTAATT Chip strong	43651	10.281033	24.914602	278
CTGCTGCGCTGGCCGTCACGGT Chip strong	45168	18.758972	18.507338	382
TTATTGCACTCCAGCCTGGGTA Chip strong	45303	21.338472	22.149384	239
CTCAGTGCTGCTGGCTCCTGTC Chip strong	30057	40.88406	25.543219	378
GACCCCTAAACCCGCTGGGCTG Chip strong	30088.5		6.4749699	140
CCTGGCTCTGGCTTCCTGTTGT Chip strong	34525	11.373339	6.4300051	368
ACCCTGGCCGACTGCCCCTT Chip strong	35652	12.982363	11.41268	11
GCCTGGCCTCCTACAGTACTTT Chip strong	35866	15.014146	23.263319	157
GCCCTTCGGAAAGCGTCGCCTG Chip strong	37481	13.375318	6.6135831	150
TGCCTGGCCTCCTGATTCCCTC Chip strong	37634.5	13.004288	2.9085336	288
CCAGACCATTTTGCCTTACC Chip strong	38076	30.955603	11.095823	55
CGTAAGTCACAGCGCCTGGCCC Chip strong	38826	11.506068	25.787857	72
CAGGCTCTTCCCTCTGGCCAAG Chip strong	25089	10.865691	11.601097	352
GATGAGTTTGCCTGGCCTGCAG Chip strong	25445.5	12.297516	17.035336	143
GCTGTAAGTCACCTGGCCCGAT Chip strong	26191	8.8471966	25.053482	163
AGAAGGCTGGCAGGAGTT Chip strong	26652	14.563484	25.132761	16
TGCCTGGCCTCTTCAGCACTTC Chip strong	27021	10.873885	26.68429	289
GGTGCCCCATCGCGGGTGGCTG Chip strong	27077	14.316696	22.61035	130
GCTCCTGGCCGGGCTGCTCCTG Chip strong	27106	14.495318	9.280777	161
AAGTGCTCATAGTGCAGGTAGT Chip strong	27166.5	9.1624584	28.31859	4
CAGGAAAAGGCGGCTCGGGGCT Chip strong	27684.5	9.7338009	6.1309323	49
TCACGCGCCCTCCTGGGCCCTG Chip strong	28630	10.411592	10.865385	195
GGCGTGCCCTGGCCCCGAGGCT Chip strong	28813	10.987214	21.873014	173
TCCTGGGGCTTGTCGCTGGCCA Chip strong	28926	12.960393	7.4913173	216
GCTTCAGAGAGGGGTGAAGCTG Chip strong	21900	17.158428	13.963737	165
CTCTCCTTGGCCACCTCCATGA Chip strong	23276	12.960393	7.0737572	81
GGCTGGTGGCTGGTTCTGGACC Chip strong	20736.5	31.680035	17.914019	122
CACCCGCTGGTCCCTGCAGTTC Chip strong	20816	8.5344362	27.261486	42
CCCTGGCTCACTTTCTGTTGTG Chip strong	20839	26.185976	5.4283981	364
GGTAGTCTTTGTCCCCTGGC Chip strong	20872	12.44091	3.1238594	182
CATCACCCCAGACCTCAGTGC Chip strong	20958.5	35.708847	4.6072259	355
GGCTGGTTAGATTTGTGGTCTT Chip strong	21258	33.569485	15.757149	123
TTGGTCCCCTTCAACCAGCTAC Chip strong	20228	9.5504265	23.87529	246
TCAGGGGTTGGCTTGTTGTGTT Chip strong	20519.5	8.8405285	21.048086	206
TACTGCACTCCAGCCTTGCCAA Chip strong	18364	10.029301	16.731598	258
AATTGCACGGTATCCATCTGTA Chip strong	18407	8.3120737	26.950815	7
TGGTTCTTCGCTGGGCGGCTGC Chip strong	18451	17.683105	11.562138	234
CCCTGCCTGTCCTGGTCCCGTT Chip strong	18466	9.747386	21.814604	59
TCTCCACAGCTGGCCCCCAAGA Chip strong	19483.5	23.591568	26.742323	273
CCTCGCTCTCCATTCGGCCCTC Chip strong	9378.5	6.9943829	8.7534571	367
GGCCGGGTGCTCTGGAGGTGCT Chip strong	14393	11.734104	12.172738	119
AGCTCCTGGCTTCAAGCAATCC Chip strong	14107	10.339123	18.669428	20
TTTAAATCACAACTCTGCCCCT Chip strong	15129	15.825633	8.2785378	247
GTAGCTGTGTTCATTCTGGATG Chip strong	15186.5	37.683685	11.412519	187
AAGTGCTAGTGAGTCTATTGTA Chip strong	15263	30.581371	17.914198	3
GCCCCAGCTCACCGGCTCACTG Chip strong	15345	20.667051	7.4258513	103
GTGCGGCCTGGCCTTCAAGTGG Chip strong	15350	9.6908836	19.487803	250
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GTTGGTTTTAGCTTGGCCCATT Chip strong	15833	22.509586	7.6416044	256
TTGATGCCCCGTCCTGTACACT Chip strong	16077	20.144415	22.335653	308
GCAGGAACTGGCTGGGCTTT Chip strong	16084	7.1124773	22.951672	102
ACCATCTCCTGTGCCTCCAGCT Chip strong	16520	12.522655	19.197701	320
AAGTGATACGCCTGCCTCGGCC Chip strong	16691	9.2873106	2.0918362	2
GCCTGGCCAACATAGTGGGACC Chip strong	16749	8.6138811	20.486101	154
TCCTGGCCATCCAGCCTGGGGA Chip strong	16778	7.2028656	18.973217	214
TCCTCCAGAGCTTCATCCTGCC Chip strong	16927	20.0035	5.2284846	212
GCGCCTGTGCCTCCTAA Chip strong	17094 12	2.760594 2	3.842529 1	08
CTTGATTTTGTCTCTGGCCCTG Chip strong	17456.5	9.4672995	8.272316	90
CCTGTGGTCCCTGTCTGTGCCT Chip strong	17748	13.149311	10.342139	66
ACTTGGAACTGGCCCCTTTCAT Chip strong	17782	14.512917	23.881441	15
TTCCCTGGGACTGGCCTGCACC Chip strong	17948.5	9.3010607	15.061718	241
GATTACTGGTATTTGCTGGCTCC Chip strong	13394	25.892035	5.407784	146
AGGTGGCCACAAGGTGGCTGGC Chip strong	13621	20.378857	17.680929	334
GGCTGCTGGTCTTTCATAGTGGG Chip strong	12604.5	21.291653	18.561375	175
CCCCTGCTGTGCTTGCATGGCT Chip strong	12605	18.076384	11.74684	57
TGGCTTTAGTAATAAGTTTCTC Chip strong	12660	16.773508	11.141039	226
TCTCTAGTCCTGCCTCCCC Chip strong	12753 1	9.169752	7.0407801	275
TTGTCACTGCACTCCAGTCTGG Chip strong	12372.5	9.9857264	24.029345	311
GGGAAGCTGGTCACCCACAGGC Chip strong	12450	11.913556	20.388573	178
CTCCTTGCTGGTCTGGTGTAAT Chip strong	12887	13.768332	6.9087734	77
TGGGTCTCTGGCCACCCCAGCC Chip strong	12948.5	8.0436459	19.699574	228
CGGCGAGCGGGACCTGCGCCTG Chip strong	13179	8.3394403	5.5586901	375
GCTCACAGCCTCCCCGGCCTG Chip strong	13198	7.8765292	3.4258959	160
TTTGGTCCCCTTCAACCAGCTA Chip strong	13310	7.6353297	18.880299	249
TTGCTAGTGTTTGGTTGATGGT Chip strong	13321	29.278065	21.353354	309
TGGGTCCTGGCTGAAGATCTCT Chip strong	13345	7.4858232	22.909485	227
AGCAGAGCAGTCTCCGCTCA Chip strong	11919	6.4712315	22.303505	327
TCTGCCTCCAGGAGCTGGCA Chip strong	12022.5	6.4897313	19.629604	218
CTCTGATGTCTGCCCCTCACCT Chip strong	12084	23.231821	2.7038672	83
TGGTGGAGGCGCTGCTGGCCAG Chip strong	11424	10.211181	12.62489	233
CGCCTCCTCTGTCCTGATTT Chip strong	11564	15.306285	4.1242805	372
AGGTGCTCTGTGTATGCATAGA Chip strong	11593	19.340197	19.182079	29
GGCCGTCCCTAGAGATGGGGTT Chip strong	11689.5	8.4446125	7.2657032	170
CATTATTCTCAGTTCTGTGCAG Chip strong	11732.5	27.869678	16.957344	51
TGGTTTCCCTTTTGGCCTCTCC Chip strong	10935	11.08107	6.0971227	303
CTGGCCCCTTTCATTCTGGAAG Chip strong	11008.5	19.356289	14.29258	87
ATAGCAGCGCTGGCCCTCTGCC Chip strong	11135.5	8.3489428	16.26886	339
TGCAGCCTCTTGTTTCAGCCCC Chip strong	11243	17.256807	2.5227482	282
GGGTCTCTGTTGGCTTCTT Chip strong	11264.5	7.8554482	5.5741806	128
AGCCTCTGGTCCTTTTTTCCCT Chip strong	11308.5	17.074085	5.3993454	328
AGCTGGTTTAATATGCTGTCTG Chip strong	11390	14.25641	8.7015753	21
CACTGCCTTGGCCACCTATCCT Chip strong	10671	9.1234684	14.108407	346
GCCTTGGTGGTTTTGGTAGT Chip strong	10696	15.110422	8.3110876	106
GTGGTAGCTCCAGGCTGTCTGA Chip strong	10711	30.533655	22.150589	253
TGCTCTGATTTTTGCCCCAGCT Chip strong	10768.5	14.230415	7.0602937	292
TCCTGGGCTTTGGCTTGTTGGG Chip strong	10813.5	7.7058806	7.1675959	215
TCCACTGTCCCTGGCACTTTT Chip strong	9134	6.4327211	12.8872	208
CGCCATGTCCAGCGTCTTCGGG Chip strong	8765	20.334946	20.485155	68

CATTGCACTCCAGCCTCCCATA Chip strong	10435	16.077471	9.6274853	53
AGAGTCTCCCTGTGTTGCCCTG Chip strong	10467	7.4270558	12.602409	325
TCCTTCCTCTGTCAGGCAGGCC Chip strong	10471	20.063852	2.295146	270
ACTGCACTGCAGCCTGGCCAAC Chip strong	10584	7.3915148	12.856659	14
TTCTTCTGCCCCTTGCCTGACA Chip strong	10593.5	16.647232	9.2061243	244
CCAGTACGTTGCTCAGCTCCTC Chip strong	10610.5	11.484417	2.7025924	357
CGCCGCCTCCGAGGACTCCTT Chip strong	10614	8.6334085	6.5864415	371
TTGCTCAGGCTGGCGTGCAATG Chip strong	9724	11.115126	19.742767	245
CCCGCGATCTCCTTGTGGCCGT Chip strong	9728	11.945862	6.9863696	58
CACCTGGCTGGCAATTTATAAT Chip strong	9852	8.0965796	17.484594	43
TCAGGGCTGCACTGGCTGGTCT Chip strong	9852	10.620815	11.96568	205
TGGAGTTGGCTGCAGATGAGTC Chip strong	9954	13.087917	15.585505	299
TGCCTAGGTCTGGCCTCCTTGG Chip strong	10161	16.315468	2.7759731	286
GCCAGCCTCCATCCTCCCTTG Chip strong	10191	21.391727	11.342846	149
TCCCCTCTTGGCTTGGTCCAGA Chip strong	10285	8.0190945	16.142628	269
GGTGCCCTCTGGCTCTACTCCC Chip strong	10302.5	7.4917507	16.076124	184
AGGGAAGGACTGCTGGGTTGGC Chip strong	10310	6.749754	2.3204882	332
GCTGAACGAGCTGGCCAAGTTC Chip strong	9451	6.6551905	19.321331	112
CAGCCTCTATGCCCCCGTCACC Chip strong	9484	16.652414	11.957335	350
ACCCCGCTCCTTGCAGCCTCTG Chip strong	9609	6.7912097	4.80404	321
CTCTTTGGTTGGTTCCTGATGC Chip strong	9661	15.128378	18.743273	85
AATGGTCTCTTTGTTCCCTGCT Chip strong	9183	7.6419687	3.2526188	315
AGTGTTGGCTCGGCTGGCTGCC Chip strong	9220.5	15.521686	7.1320724	337
ATTTACATACCCAGCAGCCTCC Chip strong	9344	14.651403	5.7202735	344
ACCTTGTGATCCACCTGCTTTG Chip strong	9350	10.149202	4.1434402	322
TGCCAGTATCCTTCTGAGACCC Chip strong	9374.5	18.697142	19.309006	284
ATCTCAGCTCTGCCTCCTGGGT Chip strong	8963	12.361974	12.799247	33
TCCTCCCTCACCTCAGTCTGGG Chip strong	8976.5	11.361602	9.0995693	213
TAGCTGAGCCGCCTGGCTGGGG Chip strong	9026	6.8317003	8.4015751	193
CCTCTTTCACCGTGCCTGTCCC Chip strong	8800	16.616077	5.438931	63
TCCAGGCCCTCAATCCATTTCCA Chip strong	8934.5	13.815792	9.5553522	266
CAGGCTGGCTCCCTGAAGGTTC Chip strong	8459.5	6.1472831	17.683357	353
TGCTCTGTTGGCTTCTTTTGTC Chip strong	8407	17.417171	17.734081	224
CACTGTCTTCCTTTGGCTCCTC Chip strong	8497	10.860129	11.864268	48
AGCACGGTGGGTTTGGCTGGCA Chip strong	8532	8.91047	7.0811062	18
GTCCTCACTGGCCGCACGCTGA Chip strong	8536	7.1346483	19.281561	188
CCAGGCTGGAGTGCAAGCAGCA Chip strong	8552.5	11.002619	19.600433	356
CGGTGCCTCCTCCAGTGTTGCT Chip strong	8559	10.886886	9.833169	71
GTCAGTCATTGAATGCTGGCCT Chip strong	8592.5	23.067156	11.230301	133
CCTTTTATCCCCTAATTGGCCT Chip strong	8596	19.616385	9.8835402	67
TGGTAGGTTGGGCAGTTC Chip strong	8731.5 3 ⁻²	1.377066	20.530041	301
GTGTTCCTGTGCTGGATGGTCA Chip strong	2131	11.864914	6.3784571	191
CCTCTGCACCAACCTGTCAAGA Chip strong	2057.5	11.429537	3.11975	62
GGAGGTACTGTAGCTGGCGTT Chip strong	1877	10.634505	9.6884193	167
GTGCTTTGCTGGAATCGAGGAA Chip strong	1710	10.403996	8.5636625	190
AGCGTGTTGGGAGGAGCTGCAG Chip strong	1410	9.0065594	8.8227701	19
TAGCATGGCTCTATGGAACA Chip strong	1393 1	0.196934	8.9662762	260
GGCCAAGTGGATGCTGGTTTAGC Chip strong	1351	6.3048329	7.5876508	117
AGGACCTGTAATCCCAGCACTT Chip	1119.5 4	1.0140038	5.6218853	23
GTCTCGGACTCCTGATCTCAGG Chip	1380 4	.1414785	3.9894354	189
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TCGCTCAGGCAGGAGTGCAGTG Chip	1902	5.7879028	8.7315207	271
TGATCTCGTGATCTACCCGCCT Chip	1982	5.9927278	6.810081	280
CACCTTGTGATCCACCCGCCTT Chip	2139	5.5668392	4.7121377	44
AGTTCTCTTGCTTCAGCCTCCC Chip	8418	11.501246	1.3339518	31
GCAGGGAACTGGCTGGGCTTTC Chip	9142.5	5.9037857	16.801399	148
GCTCCCACTGCTGTCCTGCCAT Chip	9433	17.716768	1.6475885	110
CCCCTCAGTTTGCTAGTATTTT Chip	11735	24.905746	1.1986766	56
CTCGCCCCTCTCAGCCCTGCAA Chip	14248.5	19.352268	1.4588933	3 79
GCCTGTCCTCTTCCGCCTGTCT Chip	14508	12.145576	1.6282115	105
GGTTCTCAGCCTGAGCCGCCCC Chip	18192	21.105703	1.4826102	186
CTGGCCTATCATAAGCATTTT Chip	65516	15.111923	1.4583727	88
ACAGGCGATCCACCCGCCTCAG Chip	2228	5.9650521	8.9491081	318
GAACTTGTGATCCGCCCACCTT Chip	2483	4.4610376	7.0900927	93
GACCTTGTGATCCACCTGTTTT Chip	2612	4.8775668	12.335071	98
CTCTGAGTCCTGCACTCACCCG Chip	2770	6.7869315	1.284364	82
CTGCAGCCTCCACTTTCTGGGC Chip	2839	4.7054248	13.918253	380
GTGTTGTCGCTGGGTTTTGAGGG Chip	3030	4.5279474	3.9595523	254
TAGGAGGATTGCTTGTGGCCAG Chip	3154.5	4.6519237	4.9273152	194
CGGTGGGTGCTTCAGGCGGTGG Chip	3999	5.0099111	5.715847	376
GTGACTGTGGGTTCC Chip	4025.5	5.8571658	7.4026732	136
GCTGCTGGGCCATTTGTTGG Chip	4101	7.7621112	1.3319389	114
GCAGGCTCTGGCTTATTCTGGG Chip	4399	4.4706116	13.904231	101
GCGGGCGCTTCATCTTGCCCT Chip	5038	5.1213508	7.6892729	158
TCCCAGCTCCTGGGCCCCACAG Chip	5372.5	4.9255114	7.1915674	267
ATCTTTTATCACTCCCACTGCT Chip	5396	5.4679914	11.567021	340
GATGGGTTTGTTGGAGAGGTC Chip	5425.5	4.8749881	17.533426	144
GTGACCTGGCCGCCTAAACCCA Chip	5941.5	5.6531525	18.527802	135
AAGACACCAGAGACTGGCCTCA Chip	6306	5.8909965	5.1631103	314
TCCTCAGCTTGGCCACGGAGTT Chip	6478.5	5.8972673	17.989834	211
TGTCTCCCCACTGGTCTTCCAG Chip	7039	5.6089306	15.167439	235
AAACTGCTTCCTTGGCCT Chip	7436 5.0	6282043 5	.6413546	312

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252, 257, 258, 259, 260, 262, 263, 271, 272, 274, 275, 279, 281, 282, 283, 286.

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289, 295, 297, 298, 299, 302, 305, 306, 309, 311, 312, 314, 319, 323, 324, 325,
            326, 327, 330, 333, 338, 340, 343, 344, 345, 346, 348, 349, 350, 352, 353, 354,
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Chlamydophila pneumo 3, 5, 6, 8, 9, 10, 17, 20, 21, 22, 23, 25, 27, 31, 32, 33, 37, 39, 45, 46, 47,
                 50, 52, 55, 62, 63, 64, 66, 67, 69, 73, 74, 82, 84, 85, 88, 89, 90, 92, 95, 101,
             102, 104, 105, 111, 114, 125, 126, 128, 143, 146, 148, 152, 159, 160, 161, 164,
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niae J138

165, 166, 168, 175, 176, 177, 178, 179, 180, 181, 187, 189, 190, 192, 194, 201, 203, 205, 207, 208, 209, 212, 213, 214, 217, 218, 221, 223, 224, 227, 232, 233, 234, 236, 238, 239, 241, 242, 243, 244, 245, 247, 248, 252, 257, 259, 260, 262, 263, 271, 272, 274, 275, 279, 281, 282, 283, 286, 289, 295, 297, 298, 299, 302, 305, 306, 309, 311, 312, 314, 319, 323, 325, 326, 327, 330, 333, 338, 340, 343, 344, 345, 346, 348, 349, 350, 352, 353, 354, 356, 363, 377, 382, 383, 384 and 75440-82241.

- Chlamydophila pneumo 20, 21, 22, 25, 27, 31, 33, 45, 46, 50, 55, 62, 64, 73, 82, 89, 92, 104, 105, 126, 143, 146, 152, 160, 161, 166, 175, 177, 178, 179, 180, 187, 190, 201, 205, niae TW-183 208, 209, 212, 213, 214, 217, 218, 221, 232, 236, 239, 242, 244, 248, 257, 262, 263, 271, 272, 274, 275, 279, 282, 289, 298, 299, 302, 306, 312, 323, 325, 327, 338, 340, 345, 346, 350, 352, 353, 356, 363, 382 and 82242-85213.
- Coxiella burnetii RS 1, 3, 5, 6, 7, 8, 10, 13, 22, 25, 27, 33, 36, 38, 40, 42, 45, 46, 48, 51, 52, A 493 55, 62, 67, 73, 78, 80, 81, 84, 91, 105, 111, 116, 124, 126, 132, 141, 142, 146, 147, 152, 158, 160, 164, 166, 177, 179, 180, 186, 187, 190, 205, 208, 213, 214, 218, 227, 229, 232, 234, 236, 239, 241, 242, 244, 247, 248, 249, 252, 256, 259, 262, 268, 271, 272, 274, 279, 280, 281, 282, 285, 298, 299, 300, 303, 305, 306, 307, 312, 315, 316, 320, 323, 324, 325, 326, 327, 333, 340, 344, 345, 353, 354, 356, 365, 373, 374, 376, 379, 385 and 85214-90622.
- 10 Escherichia coli CFT 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 23, 25, 26, 073 27, 28, 30, 31, 33, 34, 35, 36, 37, 39, 40, 42, 43, 45, 46, 47, 48, 49, 50, 51, 52, 53, 55, 56, 57, 58, 59, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 75, 76, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 99, 100, 101, 102, 103, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 119, 120, 121, 122, 123, 124, 125, 126, 129, 131, 132, 133, 135, 136, 137, 138, 140, 141, 142, 143, 145, 146, 147, 148, 152, 154, 155, 156, 157, 158, 160, 161, 162, 163, 164, 165, 166, 167, 168, 171, 173, 174, 175, 176, 177, 179, 180, 181, 182, 184, 185, 186, 190, 191, 192, 193, 195, 196, 197, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 220, 221, 222, 223, 224, 225, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 260, 261, 262, 265, 266, 267, 268, 270, 271, 272, 274, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 299, 300, 301, 302, 303, 305, 306, 307, 308, 309, 310, 311, 312, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 326, 327, 329, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 343, 344, 345, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 364, 365, 367, 368, 369, 370, 372, 373, 374, 375, 376, 378, 380, 381, 382, 383, 384, 385 and 90623-103607.
- Haemophilus influenz 2, 3, 5, 6, 7, 8, 9, 10, 13, 15, 19, 20, 21, 22, 25, 26, 27, 30, 31, 32, 33, 34, 37, 38, 40, 41, 45, 46, 48, 49, 50, 51, 52, 53, 55, 62, 63, 64, 66, 67, 68, 73, ae Rd 78, 81, 83, 84, 85, 88, 90, 91, 92, 98, 101, 105, 106, 111, 116, 117, 119, 122, 123, 124, 125, 126, 134, 138, 144, 146, 149, 151, 152, 155, 156, 160, 161, 164, 165, 166, 169, 171, 172, 174, 176, 177, 179, 180, 183, 190, 197, 198, 199, 200, 201, 203, 205, 207, 208, 211, 213, 214, 218, 221, 223, 226, 228, 229, 234, 236.

- 239, 240, 242, 244, 247, 248, 251, 254, 255, 256, 259, 262, 263, 264, 271, 272, 274, 277, 279, 281, 282, 283, 295, 296, 299, 302, 305, 306, 308, 311, 312, 313, 316, 317, 318, 319, 322, 323, 324, 325, 326, 327, 329, 333, 335, 338, 339, 340, 343, 344, 345, 348, 351, 353, 354, 356, 365, 368, 371, 375, 377, 379, 380, 385 and 103608-111433.
- 12 Leptospira interroga 1, 3, 5, 7, 8, 10, 13, 19, 22, 25, 32, 38, 39, 41, 48, 49, 52, 67, 71, 73, 84, ns serovar lai str. 85, 90, 91, 93, 95, 117, 124, 128, 164, 174, 178, 179, 187, 190, 192, 193, 203, 56601 207, 225, 226, 227, 229, 238, 244, 247, 250, 256, 257, 258, 259, 262, 272, 279, 295, 298, 299, 303, 306, 307, 316, 324, 327, 333, 338, 340, 344, 348, 376, 379, 384 and 111434-116384.
- 13 Listeria monocytogen 5, 6, 7, 8, 9, 10, 13, 22, 36, 40, 48, 52, 67, 84, 90, 91, 95, 114, 116, 147, es EGD-e 185, 214, 244, 247, 248, 253, 254, 259, 262, 272, 276, 279, 299, 306, 308, 324, 333, 340, 355, 382 and 116385-119434.
- 14 Mycobacterium avium 1, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, subsp. paratuberculo 25, 26, 27, 29, 31, 32, 33, 34, 37, 42, 43, 44, 45, 46, 47, 50, 51, 53, 54, 55, 58, 59, 60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 75, 76, 77, 78, 79, sis 84, 86, 87, 88, 89, 90, 91, 94, 96, 97, 99, 100, 101, 102, 103, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 119, 120, 121, 122, 123, 125, 127, 130, 131, 132, 133, 135, 137, 138, 139, 140, 142, 143, 144, 146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157, 158, 160, 161, 162, 164, 165, 166, 167, 168, 170, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 183, 184, 185, 188, 189, 190, 191, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 207, 210, 211, 214, 215, 216, 218, 219, 220, 222, 225, 226, 230, 231, 233, 234, 236, 237, 239, 241, 242, 243, 244, 245, 248, 250, 251, 252, 253, 254, 257, 262, 263, 264, 265, 266, 268, 271, 272, 274, 277, 278, 280, 281, 282, 283, 285, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 305, 306, 310, 312, 313, 314, 318, 320, 321, 323, 324, 325, 327, 329, 331, 332, 333, 334, 335, 336, 337, 341, 342, 345, 346, 347, 349, 351, 352, 353, 355, 356, 357, 358, 360, 361, 362, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 380,
- 381, 382, 383, 384 and 119435-127918. 15 Mycobacterium bovis 1, 3, 4, 5, 6, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, subsp bovis AF2122/9 26, 27, 28, 29, 31, 32, 33, 36, 37, 39, 41, 42, 43, 45, 46, 47, 48, 50, 51, 52, 53, 54, 55, 57, 58, 59, 60, 61, 62, 64, 65, 66, 67, 68, 69, 70, 71, 73, 75, 76, 77, 78, 79, 80, 83, 84, 86, 87, 88, 89, 90, 91, 93, 96, 97, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 125, 127, 130, 131, 132, 133, 134, 135, 137, 138, 139, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 165, 166, 167, 168, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 183, 184, 185, 188, 189, 190, 191, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 210, 211, 212, 213, 214, 215, 216, 218, 219, 220, 222, 225, 230, 231, 233, 236, 237, 239, 240, 241, 242, 243, 244, 245, 246, 250, 251, 252, 253, 254, 255, 256, 257, 261, 262, 263, 264, 265, 266, 267, 268, 270, 271, 273, 276, 277, 278, 280, 281, 282, 283, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 296, 297, 299, 300, 302, 303, 304, 305, 306, 308, 310, 312, 313, 314, 315, 318, 320, 321, 322, 323, 324, 325, 326, 327, 329, 330, 331, 332, 333, 334, 335, 336, 337, 341, 342, 345, 346, 347, 348, 349, 350, 351, 352, 353, 355, 356, 357, 358, 360, 361, 362, 364, 365, 366, 367, 369, 370, 371, 372, 373, 374, 375, 376, 378, 380, 381, 382, 383, 384, 385 and 127919-137561.
- 16 Mycobacterium leprae 3, 4, 5, 6, 7, 12, 13, 14, 15, 18, 19, 21, 22, 23, 24, 26, 29, 31, 32, 33, 36,

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37, 39, 41, 42, 43, 45, 46, 47, 48, 49, 50, 53, 54, 57, 59, 62, 65, 68, 69, 70, 71, 73, 74, 75, 76, 78, 81, 83, 84, 86, 90, 94, 96, 98, 101, 103, 106, 107, 109, 110, 111, 112, 113, 114, 115, 116, 118, 119, 120, 121, 123, 131, 133, 134, 135, 137, 142, 143, 144, 145, 146, 147, 149, 154, 156, 157, 158, 159, 161, 162, 163, 165, 166, 167, 171, 172, 173, 174, 175, 176, 179, 183, 184, 185, 187, 188, 189, 190, 193, 196, 197, 198, 199, 200, 201, 202, 204, 205, 206, 211, 212, 214, 215, 216, 218, 219, 220, 221, 223, 224, 225, 228, 230, 231, 232, 233, 234, 235, 236, 237, 241, 242, 243, 245, 249, 250, 251, 253, 254, 256, 258, 261, 263, 265, 267, 268, 269, 271, 274, 276, 277, 280, 281, 284, 288, 289, 290, 291, 293, 294, 295, 296, 297, 299, 300, 301, 302, 303, 305, 306, 307, 309, 310, 311, 312, 313, 314, 315, 318, 320, 321, 323, 324, 327, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 343, 345, 346, 347, 348, 349, 353, 355, 356, 357, 358, 360, 361, 364, 365, 368, 369, 370, 371, 372, 374, 375, 376, 377, 378, 380, 381, 382, 383 and 137562-144598.
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- 7 Mycobacterium tuberc 4, 5, 6, 7, 10, 13, 17, 20, 22, 23, 24, 25, 27, 31, 32, 33, 45, 46, 51, 53, 55, ulosis CDC1551 62, 67, 69, 73, 84, 88, 90, 91, 99, 100, 102, 103, 105, 107, 113, 114, 116, 120, 137, 143, 146, 148, 149, 152, 155, 156, 160, 161, 165, 166, 168, 177, 179, 180, 185, 190, 198, 199, 200, 203, 205, 207, 208, 211, 213, 214, 215, 216, 218, 219, 225, 233, 236, 239, 242, 244, 257, 262, 264, 271, 272, 274, 281, 282, 289, 291, 292, 294, 299, 303, 305, 306, 312, 313, 323, 324, 325, 327, 329, 332, 333, 337, 341, 345, 346, 352, 353, 356, 381, 383 and 144599-146806.
- 18 Mycobacterium tuberc 1, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, ulosis H37Rv 25, 26, 27, 28, 29, 31, 32, 33, 37, 39, 41, 42, 43, 45, 46, 47, 48, 50, 51, 52, 53, 54, 55, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 73, 75, 76, 77, 78, 79, 80, 83, 84, 86, 87, 88, 89, 90, 91, 93, 94, 96, 97, 99, 100, 101, 102, 103, 104, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 125, 127, 130, 131, 132, 133, 134, 135, 137, 138, 139, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 165, 166, 167, 168, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 183, 184, 185, 188, 189, 190, 191, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 210, 211, 212, 213, 214, 215, 216, 218, 219, 220, 222, 225, 230, 231, 233, 234, 236, 237, 239, 240, 241, 242, 243, 244, 245, 246, 250, 251, 252, 253, 254, 255, 256, 257, 261, 262, 263, 264, 265, 266, 267, 268, 270, 271, 272, 273, 274, 276, 277, 278, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 296, 297, 298, 299, 300, 302, 303, 304, 305, 306, 308, 310, 312, 313, 314, 315, 318, 320, 321, 323, 324, 325, 326, 327, 329, 330, 331, 332, 333, 334, 335, 336, 337, 341, 342, 345, 346, 347, 348, 349, 350, 351, 352, 353, 355, 356, 357, 358, 360, 361, 362, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 378, 380, 381, 382, 383, 384, 385 and 146807-155497.
- 19 Neisseria meningitid 56, 142, 218, 287, 316, 327, 351, 355, 365, 381 and 155498-155833. is MC58
- 20 Neisseria meningitid 1, 6, 7, 8, 10, 12, 15, 17, 21, 22, 26, 28, 30, 37, 39, 40, 45, 49, 52, 56, 58, is Z2491 60, 62, 63, 67, 70, 76, 86, 89, 90, 91, 96, 98, 102, 103, 105, 107, 108, 109, 111, 112, 113, 114, 115, 122, 123, 124, 125, 126, 127, 133, 138, 141, 142, 143, 145, 147, 148, 149, 152, 157, 158, 164, 165, 166, 170, 171, 175, 176, 178, 181, 183, 187, 189, 197, 203, 217, 218, 219, 220, 221, 222, 225, 229, 230, 231, 237, 239, 243, 245, 247, 248, 251, 253, 254, 256, 257, 258, 259, 264, 265, 268, 273, 281, 282, 283, 285, 287, 289, 290, 293, 294, 295, 297, 300, 302, 306, 308, 314, 315, 316, 319, 321, 322, 325, 327, 329, 332, 333, 334, 338, 340, 341, 344, 346,

348, 349, 350, 351, 354, 355, 356, 365, 371, 372, 375, 376, 380, 381, 382, 384 and 155834-160603.

```
21 Pseudomonas aerugino 1, 2, 6, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28,
   sa PA01
                    29, 30, 31, 33, 34, 35, 36, 37, 41, 42, 43, 45, 46, 48, 49, 50, 52, 54, 55, 56,
                57, 58, 59, 60, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 73, 76, 77, 78, 79, 81,
                82, 83, 84, 86, 87, 88, 89, 90, 91, 94, 95, 96, 97, 99, 100, 101, 102, 103, 105,
                106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 118, 119, 120, 121, 122,
                123, 124, 125, 126, 127, 130, 131, 134, 137, 138, 139, 140, 141, 142, 144, 147,
                149, 150, 151, 152, 154, 155, 156, 157, 158, 160, 161, 162, 163, 164, 165, 166,
                167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 183, 184,
                185, 188, 190, 192, 193, 194, 195, 196, 197, 202, 204, 205, 208, 210, 211, 212,
                213, 214, 215, 216, 218, 220, 222, 225, 228, 229, 230, 231, 232, 233, 236, 237,
                241, 242, 243, 244, 250, 251, 253, 258, 262, 264, 265, 266, 267, 268, 270, 271,
                272, 273, 274, 276, 277, 280, 281, 282, 283, 285, 286, 287, 288, 289, 290, 291,
                292, 293, 294, 296, 297, 298, 299, 300, 301, 302, 306, 312, 314, 318, 319, 320,
                321, 323, 324, 325, 327, 329, 330, 331, 333, 334, 335, 336, 339, 340, 341, 342,
                343, 345, 347, 348, 349, 350, 351, 352, 353, 355, 356, 357, 358, 360, 361, 362,
                364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 378, 380, 381.
                382, 383, 384 and 160604-170274.
22 Pseudomonas putida K 1, 5, 7, 9, 10, 11, 12, 13, 14, 16, 18, 19, 23, 24, 25, 26, 27, 28, 29, 31, 33,
   T2440
                   34, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 55, 57,
                58, 59, 61, 64, 65, 66, 68, 69, 70, 71, 73, 76, 84, 85, 86, 88, 89, 91, 94, 98,
                99, 101, 102, 103, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 117,
                118, 119, 120, 121, 122, 123, 125, 126, 131, 132, 133, 134, 135, 137, 138, 140,
                141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156,
                157, 158, 159, 160, 161, 162, 163, 164, 166, 167, 168, 171, 172, 173, 174, 175,
                176, 177, 179, 180, 181, 183, 184, 185, 187, 190, 191, 193, 195, 196, 197, 202.
                204, 205, 207, 211, 212, 214, 215, 216, 220, 221, 222, 225, 228, 229, 230, 231,
                232, 233, 234, 236, 237, 240, 241, 242, 243, 244, 248, 250, 251, 253, 255, 258,
                264, 265, 266, 267, 270, 271, 272, 274, 276, 277, 280, 281, 282, 283, 284, 285,
                287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302,
                303, 304, 305, 306, 308, 310, 312, 313, 314, 316, 317, 318, 320, 321, 322, 323,
                324, 327, 329, 333, 334, 335, 336, 337, 342, 343, 345, 346, 347, 348, 349, 350,
                351, 352, 353, 354, 355, 356, 357, 358, 360, 361, 364, 365, 366, 367, 368, 369,
                370, 371, 373, 374, 375, 376, 377, 378, 380, 381, 382, 383, 384, 385 and
                170275-178543.
23 Rickettsia prowazeki 2, 10, 13, 25, 27, 31, 33, 45, 46, 48, 52, 55, 62, 67, 71, 73, 75, 81, 84, 91,
                95, 99, 100, 105, 113, 124, 131, 152, 154, 155, 156, 157, 160, 162, 166, 177,
                179, 180, 181, 190, 192, 204, 205, 208, 213, 214, 217, 218, 222, 231, 236, 239,
                242, 244, 262, 265, 270, 271, 272, 274, 278, 287, 288, 289, 293, 294, 299, 305,
                306, 323, 324, 325, 327, 333, 334, 340, 345, 353, 356, 373, 381 and
                178544-179914.
24 Salmonella enterica 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26,
   enterica serovar Typ 27, 28, 30, 31, 32, 33, 35, 37, 38, 39, 40, 42, 43, 45, 46, 47, 48, 49, 50, 51,
   hi
                52, 55, 56, 57, 58, 59, 60, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 75,
                77, 79, 80, 81, 83, 84, 86, 88, 89, 90, 91, 92, 94, 95, 98, 99, 100, 101, 102,
                105, 106, 107, 108, 109, 111, 112, 113, 114, 115, 116, 119, 120, 121, 122, 123,
                124, 125, 126, 127, 129, 131, 132, 133, 135, 136, 137, 138, 142, 143, 144, 145,
                146, 147, 148, 150, 152, 153, 154, 155, 156, 157, 158, 160, 161, 162, 163, 164,
```

165, 166, 167, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 182, 183, 185.

```
203, 204, 205, 206, 208, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222,
                223, 225, 226, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241,
                242, 243, 244, 245, 247, 248, 250, 251, 252, 253, 254, 255, 256, 257, 260, 261,
                262, 263, 265, 266, 269, 270, 271, 272, 274, 276, 277, 278, 280, 281, 282, 283,
                284, 285, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300,
                301, 302, 303, 304, 305, 306, 308, 311, 312, 314, 315, 318, 319, 323, 324, 325,
                327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 339, 340, 341, 342, 343,
                344, 345, 346, 347, 348, 349, 351, 352, 353, 354, 355, 356, 357, 358, 360, 361,
                364, 365, 366, 367, 369, 370, 371, 373, 374, 375, 376, 378, 379, 380, 381, 382,
                383, 384, 385 and 179915-190940.
25 Salmonella enterica 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 25.
   enterica serovar Typ 26, 27, 28, 30, 31, 32, 33, 35, 37, 38, 39, 40, 42, 43, 45, 46, 47, 48, 49, 50,
                  51, 52, 55, 56, 57, 58, 59, 60, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73,
                75, 77, 79, 80, 81, 83, 84, 85, 86, 88, 89, 90, 91, 94, 95, 98, 99, 100, 101,
                102, 105, 106, 107, 108, 109, 111, 112, 113, 114, 115, 116, 119, 120, 121, 122,
                123, 124, 125, 126, 127, 129, 131, 132, 133, 135, 136, 137, 138, 142, 143, 144,
                145, 146, 147, 148, 150, 152, 153, 154, 155, 156, 157, 158, 160, 161, 162, 163.
                164, 165, 166, 167, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 182, 183,
                185, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201,
                202, 203, 204, 205, 206, 208, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221.
                222, 223, 225, 226, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240,
                241, 242, 243, 244, 245, 247, 248, 250, 251, 252, 253, 254, 255, 256, 257, 260.
                261, 262, 263, 265, 266, 269, 270, 271, 272, 274, 276, 277, 278, 280, 281, 282.
                283, 284, 285, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299,
                300, 301, 302, 303, 304, 305, 306, 308, 311, 312, 314, 315, 318, 319, 323, 324,
                325, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341.
                342, 343, 344, 345, 346, 347, 348, 349, 351, 352, 353, 354, 355, 356, 357, 358,
                360, 361, 364, 365, 366, 367, 369, 370, 371, 373, 374, 375, 376, 378, 379, 380,
                381, 382, 383, 384, 385 and 190941-201927.
26 Salmonella typhimuri 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24,
                    25, 26, 27, 28, 29, 30, 31, 32, 33, 36, 37, 38, 39, 42, 43, 45, 46, 47, 48, 49,
                50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71,
                72, 73, 75, 77, 79, 82, 83, 84, 86, 88, 89, 90, 91, 94, 95, 96, 100, 101, 102,
                103, 104, 105, 107, 108, 109, 111, 112, 113, 114, 115, 116, 119, 120, 121, 122,
                123, 124, 125, 126, 127, 129, 131, 132, 133, 135, 137, 138, 142, 143, 144, 145,
                146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157, 158, 160, 161, 162, 163,
                164, 165, 166, 167, 168, 170, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181,
                182, 183, 185, 187, 188, 189, 190, 192, 193, 194, 195, 196, 197, 198, 199, 200,
                201, 202, 203, 204, 205, 206, 207, 208, 211, 212, 213, 214, 215, 216, 217, 218,
                219, 220, 221, 222, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236,
                237, 238, 239, 240, 241, 242, 243, 244, 245, 247, 248, 249, 250, 251, 252, 253,
                255, 256, 257, 258, 260, 261, 262, 263, 266, 267, 268, 270, 271, 272, 273, 274,
                275, 276, 279, 280, 281, 282, 283, 285, 287, 288, 289, 290, 291, 292, 293, 294.
                296, 297, 298, 299, 300, 302, 303, 306, 307, 308, 309, 310, 311, 312, 314, 315,
                317, 318, 319, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335,
                336, 337, 338, 340, 341, 342, 343, 344, 345, 347, 348, 349, 350, 351, 352, 353,
                354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 368, 369, 370,
                371, 373, 374, 375, 376, 379, 380, 381, 382, 383, 384, 385 and 201928-215605.
    Shigella flexneri 2a 1, 2, 5, 6, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27,
```

hi Ty2

um LT2

187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202,

```
str. 2457T
                    28, 29, 30, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 43, 46, 47, 48, 49, 50, 51,
                52, 54, 55, 56, 57, 58, 59, 62, 63, 65, 66, 67, 68, 69, 70, 71, 73, 76, 78, 80,
                83, 84, 85, 86, 87, 88, 89, 90, 91, 93, 94, 95, 97, 99, 101, 102, 103, 104, 105,
                107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 119, 120, 121, 122, 123,
                124, 125, 126, 129, 131, 132, 133, 134, 135, 136, 137, 138, 139, 141, 142, 143,
                145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157, 158, 160, 161, 162,
                163, 164, 165, 166, 167, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 182,
                184, 185, 187, 190, 191, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205,
                207, 208, 212, 213, 214, 216, 218, 220, 221, 222, 223, 224, 225, 229, 230, 231,
                232, 233, 234, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 247, 248, 250,
                251, 252, 253, 254, 255, 256, 257, 260, 261, 262, 263, 265, 268, 270, 271, 272,
                274, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 287, 288, 289, 290, 291,
                292, 293, 295, 296, 297, 298, 299, 300, 301, 302, 304, 306, 307, 308, 309, 310,
                311, 312, 314, 315, 316, 317, 318, 320, 321, 322, 323, 324, 325, 327, 328, 329,
                331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 343, 344, 345, 346, 347,
                348, 349, 350, 351, 352, 353, 354, 356, 357, 358, 359, 360, 361, 362, 364, 365,
                366, 367, 368, 369, 371, 373, 374, 375, 376, 379, 380, 381, 382, 383, 384, 385
                and 215606-226197.
   Shigella flexneri 2a 1, 2, 5, 6, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27,
   str. 301
                  28, 29, 30, 32, 33, 35, 36, 37, 39, 40, 41, 42, 43, 46, 47, 48, 49, 50, 51, 52,
                54, 55, 56, 57, 58, 59, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 73, 76, 77, 78,
                80, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 97, 99, 101, 102, 103,
                104, 105, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 119, 120, 121, 122,
                123, 124, 125, 126, 129, 132, 133, 134, 135, 136, 137, 138, 141, 142, 143, 144,
                145, 146, 147, 148, 149, 150, 151, 152, 154, 155, 156, 157, 158, 159, 160, 161,
                162, 163, 164, 165, 166, 167, 168, 171, 172, 173, 174, 175, 176, 177, 179, 180,
                181, 182, 184, 185, 187, 190, 191, 195, 196, 197, 198, 199, 200, 201, 202, 203,
                205, 207, 208, 210, 212, 213, 214, 216, 217, 218, 220, 221, 222, 223, 224, 225,
                229, 230, 231, 232, 233, 234, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245,
                247, 248, 250, 251, 252, 253, 254, 255, 256, 257, 260, 262, 263, 264, 265, 266,
                268, 269, 270, 271, 272, 274, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285,
                287, 288, 289, 290, 291, 292, 293, 295, 296, 297, 298, 299, 300, 301, 302, 304,
                306, 308, 309, 311, 312, 314, 315, 316, 317, 318, 320, 321, 323, 324, 325, 327,
                328, 329, 331, 333, 334, 335, 336, 337, 338, 339, 340, 341, 343, 344, 345, 346,
                347, 348, 349, 350, 351, 352, 353, 354, 356, 357, 358, 359, 360, 361, 362, 364,
                365, 366, 367, 368, 369, 371, 373, 374, 375, 376, 378, 379, 380, 381, 382, 383,
                384, 385 and 226198-237003.
29 Staphylococcus aureu 2, 5, 7, 8, 9, 10, 13, 16, 19, 22, 25, 27, 31, 32, 33, 35, 36, 38, 39, 40, 41,
   s subsp. aureus Mu50 45, 46, 47, 48, 50, 51, 52, 55, 62, 63, 67, 71, 73, 81, 83, 84, 85, 90, 91, 92,
                93, 95, 98, 100, 101, 105, 106, 111, 113, 116, 119, 120, 124, 131, 133, 138,
                139, 146, 147, 149, 152, 153, 156, 160, 161, 162, 165, 166, 169, 171, 172, 174,
                177, 179, 180, 181, 190, 192, 203, 204, 205, 207, 208, 213, 214, 217, 218, 222,
                228, 231, 232, 236, 238, 240, 242, 244, 245, 247, 248, 252, 254, 256, 259, 261,
                262, 270, 271, 272, 274, 275, 287, 293, 294, 299, 301, 302, 305, 306, 308, 309,
                311, 316, 317, 323, 324, 325, 326, 327, 332, 333, 334, 335, 337, 339, 340, 342,
                343, 344, 345, 346, 348, 349, 351, 353, 354, 356, 363, 365, 368, 371, 375, 379,
                381 and 237004-244310.
30 Staphylococcus aureu 2, 5, 7, 8, 10, 13, 16, 19, 22, 25, 27, 30, 31, 32, 33, 38, 39, 40, 41, 45, 46,
   s subsp. aureus MW2 47, 48, 50, 51, 52, 55, 62, 63, 67, 71, 72, 73, 78, 81, 83, 84, 90, 91, 92, 93,
```

95, 98, 100, 101, 105, 106, 109, 111, 113, 117, 119, 120, 124, 126, 128, 130,

```
172, 174, 177, 179, 180, 181, 182, 190, 192, 203, 204, 205, 207, 208, 213, 214,
                217, 218, 222, 228, 231, 232, 236, 238, 242, 244, 247, 248, 252, 254, 256, 257,
                259, 261, 262, 271, 272, 274, 279, 287, 293, 294, 295, 299, 301, 302, 306, 307,
                308, 309, 315, 316, 323, 324, 325, 326, 327, 332, 333, 334, 335, 337, 338, 339,
                342, 343, 344, 345, 346, 348, 350, 351, 353, 356, 363, 365, 368, 371, 375, 379,
                381 and 244311-250683.
31 Staphylococcus aureu 2, 5, 7, 8, 9, 10, 13, 16, 19, 22, 25, 27, 31, 32, 33, 35, 36, 38, 39, 40, 41,
   s subsp. aureus N315 45, 46, 47, 48, 50, 51, 52, 55, 62, 63, 67, 71, 73, 81, 83, 84, 85, 90, 91, 92,
                93, 95, 98, 100, 101, 105, 106, 111, 113, 117, 119, 120, 124, 131, 133, 134,
                138, 139, 143, 146, 147, 149, 152, 153, 156, 160, 161, 162, 166, 169, 171, 172,
                174, 177, 179, 180, 181, 190, 192, 203, 204, 205, 207, 208, 213, 214, 217, 218,
                222, 226, 228, 231, 232, 236, 238, 240, 242, 244, 245, 247, 248, 252, 254, 256,
                259, 260, 261, 262, 270, 271, 272, 274, 275, 279, 287, 293, 294, 299, 301, 302,
                305, 306, 307, 308, 309, 311, 316, 317, 323, 324, 325, 326, 327, 332, 333, 334,
                335, 337, 339, 340, 342, 343, 344, 345, 346, 348, 349, 351, 353, 354, 356, 363,
                365, 368, 371, 375, 379, 381 and 250684-257140.
32 Streptococcus pneumo 2, 3, 5, 6, 10, 13, 14, 17, 20, 21, 22, 23, 25, 26, 27, 30, 31, 32, 33, 35, 36,
   niae R6
                   37, 38, 39, 40, 41, 46, 47, 48, 49, 50, 52, 55, 56, 62, 63, 67, 73, 77, 81, 83,
                84, 85, 87, 90, 91, 92, 94, 95, 100, 101, 102, 105, 106, 111, 112, 114, 115,
                116, 117, 119, 123, 124, 126, 133, 136, 138, 143, 145, 146, 147, 149, 152, 156.
                160, 161, 164, 166, 168, 169, 171, 172, 174, 175, 176, 177, 179, 180, 190, 192,
                203, 204, 205, 208, 209, 213, 214, 217, 218, 223, 226, 228, 229, 232, 233, 235.
                236, 238, 239, 242, 244, 245, 246, 247, 248, 249, 252, 255, 256, 257, 258, 259.
                260, 261, 262, 264, 268, 271, 272, 274, 279, 282, 283, 284, 287, 295, 296, 297,
                298, 299, 300, 302, 303, 305, 306, 307, 309, 311, 312, 314, 315, 316, 320, 321,
                323, 324, 325, 326, 327, 329, 333, 335, 338, 340, 341, 344, 345, 348, 350, 351,
                352, 353, 356, 357, 359, 365, 368, 371, 372, 373, 375, 377, 379, 380, 382, 384,
                385 and 257141-265301.
   Streptococcus pneumo 2, 10, 13, 25, 27, 33, 46, 48, 50, 52, 55, 62, 63, 67, 73, 81, 84, 91, 101, 105,
   niae TIGR4
                     106, 111, 119, 149, 152, 160, 161, 164, 166, 168, 169, 171, 172, 175, 176, 177,
                179, 180, 190, 205, 208, 213, 214, 218, 228, 236, 242, 244, 246, 262, 268, 271,
                272, 274, 297, 299, 306, 321, 323, 324, 325, 327, 329, 333, 340, 345, 348, 351.
                353, 356, 359, 365, 368, 371, 372, 375, 380 and 265302-266788.
34 Streptococcus pyogen 3, 5, 8, 10, 21, 22, 25, 27, 32, 37, 38, 39, 40, 43, 49, 90, 95, 96, 106, 116,
   es M1 GAS
                      126, 129, 138, 163, 164, 168, 175, 176, 180, 226, 232, 244, 246, 259, 261, 262,
                268, 283, 295, 296, 297, 299, 306, 309, 316, 321, 329, 330, 333, 348, 349, 359,
                372, 379, 380 and 266789-269521.
   Streptococcus pyogen 3, 8, 10, 13, 20, 22, 25, 27, 31, 32, 33, 37, 38, 40, 46, 48, 52, 55, 62, 67,
   es MGAS315
                       73, 84, 90, 91, 105, 106, 113, 116, 129, 138, 152, 160, 164, 166, 168, 175, 176,
                177, 179, 180, 186, 190, 192, 205, 208, 211, 213, 214, 218, 226, 229, 232, 236,
                242, 244, 246, 262, 268, 271, 272, 274, 282, 283, 295, 296, 297, 299, 306, 309,
                312, 321, 323, 324, 325, 327, 329, 333, 340, 345, 348, 349, 353, 356, 359, 372,
                379, 380, 381 and 269522-272357.
   Streptococcus pyogen 3, 4, 8, 10, 13, 21, 22, 25, 27, 31, 33, 37, 38, 39, 40, 46, 48, 52, 55, 62, 67,
   es MGAS8232
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                175, 176, 177, 179, 180, 190, 205, 208, 213, 214, 218, 226, 232, 236, 242, 244,
                246, 247, 259, 260, 261, 262, 268, 271, 272, 274, 295, 296, 297, 299, 306, 307,
                309, 316, 321, 323, 324, 325, 327, 329, 330, 333, 337, 340, 344, 345, 348, 349,
```

353, 356, 359, 363, 372, 379, 380, 381 and 272358-275553.

131, 133, 134, 138, 139, 143, 149, 152, 153, 156, 160, 161, 162, 166, 169, 171,

- 37 Streptococcus pyogen 10, 13, 25, 27, 31, 33, 46, 48, 52, 55, 62, 67, 73, 84, 91, 105, 113, 152, 160, es SSI-1 164, 166, 168, 175, 176, 177, 179, 180, 190, 205, 208, 213, 214, 218, 236, 242, 244, 246, 262, 268, 271, 272, 274, 297, 299, 306, 321, 323, 324, 325, 327, 329, 333, 340, 345, 348, 353, 356, 359, 372, 380, 381 and 275554-276703.
- 38 Treponema pallidum s 3, 10, 13, 48, 52, 57, 59, 67, 81, 84, 86, 90, 91, 121, 131, 134, 174, 175, 176, ubsp. pallidum str. 184, 218, 228, 231, 235, 236, 243, 261, 262, 269, 272, 289, 291, 295, 299, 306, Nichols 312, 324, 329, 332, 333, 340, 345, 356, 358 and 276704-277654.
- 39 Yersinia pestis 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 16, 18, 19, 21, 22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 39, 40, 41, 42, 43, 45, 46, 47, 48, 51, 52, 53, 54, 55, 57, 58, 61, 62, 63, 67, 68, 70, 71, 73, 75, 76, 78, 82, 84, 85, 87, 88, 89, 90, 91, 93, 94, 95, 98, 99, 101, 102, 103, 105, 106, 107, 108, 111, 112, 113, 114, 115, 116, 117, 120, 121, 122, 123, 124, 125, 126, 129, 130, 131, 132, 133. 134, 135, 136, 138, 140, 141, 142, 143, 146, 148, 149, 151, 152, 153, 154, 155, 156, 160, 164, 165, 166, 167, 169, 171, 172, 174, 175, 176, 177, 178, 179, 180, 182, 184, 186, 187, 188, 190, 191, 192, 193, 196, 197, 198, 199, 200, 201, 202, 203, 205, 206, 208, 209, 211, 213, 214, 215, 217, 218, 219, 220, 221, 222, 224, 225, 226, 227, 229, 230, 232, 233, 234, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 250, 251, 252, 253, 255, 256, 257, 258, 259, 260, 262, 263, 264, 270, 271, 272, 274, 276, 279, 280, 281, 282, 283, 286, 287, 289, 291, 292, 293, 295, 296, 298, 299, 300, 301, 302, 304, 306, 307, 308, 309, 311, 314, 315, 317, 319, 321, 322, 323, 324, 325, 326, 327, 329, 330, 331, 333, 334, 335, 336, 337, 340, 341, 342, 343, 344, 345, 346, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 363, 364, 365, 367, 368, 370, 372, 373, 374, 376, 377, 378, 379, 380, 381, 382, 383, 384 and 277655-287825.
- 40 Yersinia pestis KIM 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 16, 18, 19, 20, 21, 22, 25, 26, 27, 28, 29, 31, 32, 33, 34, 36, 37, 39, 40, 41, 42, 43, 45, 46, 47, 48, 51, 52, 53, 54, 55, 57, 58, 61, 62, 63, 65, 67, 68, 70, 71, 72, 73, 75, 76, 78, 84, 85, 87, 88, 89, 90, 91, 93, 94, 95, 97, 99, 101, 102, 103, 105, 106, 107, 108, 111, 112, 113, 114, 115, 117, 118, 120, 121, 122, 123, 124, 125, 126, 129, 130, 131, 132, 133, 134, 135, 136, 138, 140, 142, 143, 146, 147, 148, 149, 151, 152, 153, 154, 156, 158, 160, 164, 165, 166, 169, 171, 172, 174, 175, 176, 177, 178, 179, 180, 182, 186, 187, 188, 190, 191, 192, 193, 196, 197, 198, 199, 200, 201, 202, 203, 205, 206, 207, 208, 209, 211, 213, 214, 215, 217, 218, 220, 221, 222, 224, 225, 226, 227, 229, 230, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 247, 248, 250, 251, 252, 253, 255, 256, 257, 258, 260, 262, 263, 264, 270, 271, 272, 274, 276, 279, 281, 282, 283, 284, 286, 287, 288, 289, 291, 292, 293, 294, 295, 296, 298, 299, 300, 302, 303, 305, 306, 307, 308, 309, 311, 314, 315, 317, 318, 319, 321, 322, 323, 324, 325, 327, 329, 330, 331, 333, 334, 335, 336, 337, 340, 341, 342, 343, 344, 345, 346, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 362, 363, 364, 365, 367, 368, 370, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385 and 287826-298021.